

Table 2

Representative Framework Region Sequences

1. Human Light Chains

Type	FR1	FR2	FR3	FR4
Kappa I	DIQMTQSPSSLSASVGDRVTITC SEQ. ID NO: 74	WYQQKPGKAPKLLIY SEQ. ID NO: 75	GVPSRFGSGSGTDFTLTISSLQPEDFATYYC SEQ. ID NO: 76	FGQGTKVEIK SEQ. ID NO: 77
Kappa II	DIVMTQSPSLPVTGPASISC SEQ. ID NO: 78	WYLQKPGQSPQLLIY SEQ. ID NO: 79	GVPDFSGSGSGTDFTLKISRVEAEDVGVYYC SEQ. ID NO: 80	FGQGTKVEIK SEQ. ID NO: 77
Kappa III	EIVLTQSPGTLSPGERATLSC SEQ. ID NO: 81	WYQQKPGQAPRLIY SEQ. ID NO: 82	GIPDRFGSGSGTDFTLTISRLEPEDFAVYYC SEQ. ID NO: 83	FGQGTKVEIK SEQ. ID NO: 77
Kappa IV	DIVMTQSPDSLAVSLGERATINC SEQ. ID NO: 84	WYQQKPGQPPKLLIY SEQ. ID NO: 85	GVPDFSGSGSGTDFTLTISSLQAEDVAVYYC SEQ. ID NO: 86	FGQGTKVEIK SEQ. ID NO: 77
Lambda I	QSVLTQPPSVSGAPGQRVTISC SEQ. ID NO: 87	WYQQLPGTAPKLLIY SEQ. ID NO: 88	GVPDFSGSGSGTSASLAINGLQSEDEADYYC SEQ. ID NO: 89	FGGGTKLTVLG SEQ. ID NO: 90
Lambda II	QSALTQPAASVSGSPGQSITISC SEQ. ID NO: 91	WYQQHPGKAPKLLIY SEQ. ID NO: 92	GVPDFSGSGSGNTASLTISGLQAEDVAVYYC SEQ. ID NO: 93	FGGGTKLTVLG SEQ. ID NO: 94
Lambda III	SYELTQPPSVSVSGQTARITC SEQ. ID NO: 95	WYQQKPGQAPLVIIY SEQ. ID NO: 96	GIPERFSGSNSGNTATLTISGVQAGDEADYYC SEQ. ID NO: 97	FGGGTKLTVLG SEQ. ID NO: 90
Lambda IV	SELTQPPSVSVALGQTVRITC SEQ. ID NO: 98	WYQQKPGQAPLLVIY SEQ. ID NO: 99	GIPDRFGSGSSGHTASLTITGAQAEADYYC SEQ. ID NO: 100	FGGGTKLTVLG SEQ. ID NO: 90
Lambda V	SALTQPPSASGSLGQSVTISC SEQ. ID NO: 101	WYQQHPGRAPKLVIF SEQ. ID NO: 102	GVPDFSGSKSDQATSLTVSGLRAEDEADYYC SEQ. ID NO: 103	FGGGTKLTVLG SEQ. ID NO: 104
Lambda VI	NFMLTQPHSVSESFGKTVTISC SEQ. ID NO: 105	WYQQRPGSAPTTVIY SEQ. ID NO: 106	GVPDFSGSSNSASLTISGLKTEDEADYYC SEQ. ID NO: 107	FGGGTKLTVLG SEQ. ID NO: 90

2. Mouse Light Chains

Kappa I	DIVMTQSPSSLA VSAGEKVTMSC SEQ. ID NO: 108	WYQQKPGQSPKLLIY SEQ. ID NO: 109	GVPSRFGSGSGTDFTLTISSLQPEDFATYYC SEQ. ID NO: 110	FGAGTKLEIK SEQ. ID NO: 111
Kappa II	DIVMTQSPSLPVTGPASISC SEQ. ID NO: 112	WYLQKPGQSPKLLIY SEQ. ID NO: 113	GVPDFSGSGSGTDFTLKISRVEAEDVGVYYC SEQ. ID NO: 115	FGGGTKLEIK SEQ. ID NO: 115
Kappa III	EIVLTQSPGTLSPGERATLSC SEQ. ID NO: 116	WYQQKPGQSPKLLIY SEQ. ID NO: 117	GIPDRFGSGSGTDFTLTISRLEPEDFAVYYC SEQ. ID NO: 118	FGGGTKLEIK SEQ. ID NO: 115
Kappa IV	DIVMTQSPDSLAVSLGERATINC SEQ. ID NO: 119	WYQQKPGNSPKLWIY SEQ. ID NO: 120	GVPDFSGSGSGTDFTLTISSLQAEDVAVYYC SEQ. ID NO: 121	FGAGTKLEIK SEQ. ID NO: 122
Kappa V	DIQMTQSPSSLSASLGDRVTITC SEQ. ID NO: 123	WYQQKPGGSPKLLIY SEQ. ID NO: 124	GVPSRFGSGSGTDYSLTISLQLEQEDATYFC SEQ. ID NO: 125	FGGGTKLEIK SEQ. ID NO: 115
Kappa VI	QIVLTQSPAISASPGKVTMTIC SEQ. ID NO: 126	WYQQKSGTSPKRWIY SEQ. ID NO: 127	GVPARFSGSLIGDLAALTITGAQTENEAIYFS SEQ. ID NO: 128	FGAGTKLEIK SEQ. ID NO: 111
Lambda	QAVVTQESALTTPGETVTLTC SEQ. ID NO: 129	WVQEKPDHLFTGLIG SEQ. ID NO: 130	GVPDFSGSSNSASLTISGLKTEDEADYYC SEQ. ID NO: 131	FGGGTKLTVLG SEQ. ID NO: 132

FIG. 1A

3. Human Heavy Chains

Group I	QVQLVQSGAEVKKPGASVKVSKASGYTFT SEQ. ID NO: 133	WVRGAPGQGLEWMG SEQ. ID NO: 134	RVTTADTSTSTAYMELSSLRSEDTAVYYCAR SEQ. ID NO: 135	WGQGTITVTVSS SEQ. ID NO: 136
Group II	QVQLQESGPGLVKPSQTLSTCTVSGGSVS SEQ. ID NO: 137	WVRQPPGKGLEWIG SEQ. ID NO: 138	RVTVSDTSKQFSLKLSVTAADTAIVYYCAR SEQ. ID NO: 139	WGQGTITVTVSS SEQ. ID NO: 136
Group III	EVQLVESGGGLVQPGGSLRLSCAACGFYFS SEQ. ID NO: 140	WVRQAPGKGLEWVS SEQ. ID NO: 141	RFTISRDNKNTLYLQMNSLRRAEDTAIVYYCAR SEQ. ID NO: 142	WGQGTITVTVSS SEQ. ID NO: 136

4. Mouse Heavy Chains

Group IA	EVQLQESGPGSLVKPSQTLSTCTSVTGDST SEQ. ID NO: 143	WVRQPPGKLEWMG SEQ. ID NO: 144	RISITRDTSKNQYFLQLNSVTITDTATYYCAR SEQ. ID NO: 145	WGQGTITVTVSS SEQ. ID NO: 146
Group IB	QVQLKESGPGLVAPSQSLSTCTVSGFSLT SEQ. ID NO: 147	WVRQPPGKLEWMG SEQ. ID NO: 148	RISISKDQSKSQVFLKMNSLQTDITAMYYCAR SEQ. ID NO: 149	WGQGTITVTVSS SEQ. ID NO: 150
Group IIA	EVQLQQSGPELVKPGASVKISCKASGYTFT SEQ. ID NO: 151	WVKQSPGKSLEWIG SEQ. ID NO: 152	KATLTVDKSSSTAYMQLSSLTSEDSAVYYCAR SEQ. ID NO: 153	WGQGTITVTVSS SEQ. ID NO: 146
Group IIB	QVQLQQPGAEVLKPGASVKLSCKASGYTPT SEQ. ID NO: 154	WVKQRPQGQGLEWIG SEQ. ID NO: 155	KATLTVDKSSSTAYMQLSSLTSEDSAVYYCAR SEQ. ID NO: 156	WGQGTITVTVSS SEQ. ID NO: 157
Group IIC	EVQLQQSGAEVLKPGASVKLSCTASGFNIK SEQ. ID NO: 158	WVRQPPGKALEWIA SEQ. ID NO: 159	KATITADTSSNTAYLQLSSLTSEDTAVYYCAR SEQ. ID NO: 160	WGQGTITVTVSS SEQ. ID NO: 161
Group IIIA	EVKLVESGGGLVQPGGSLRLSCATSGFTES SEQ. ID NO: 162	WVKQSPGKSLEWIG SEQ. ID NO: 163	RFTVSRDTSQSHYLQMNALRAEDTAIYYCAR SEQ. ID NO: 164	WGAGTITVTVSS SEQ. ID NO: 165
Group IIIB	EVKLLESGGGLVQPGGSLKLSCAASGFDES SEQ. ID NO: 166	WVRQAPGKGLEWIG SEQ. ID NO: 167	KFHISRDQAKQTLYLQMSKVRSEDTALYYCAR SEQ. ID NO: 168	WGQGTITVTVSS SEQ. ID NO: 169
Group IIIC	EVKLEESGGGLVQPGGSMKLSVCVSGFTFS SEQ. ID NO: 170	WVRQSPGKLEWVA SEQ. ID NO: 171	RFTISRDDSKSSVYLQMNNLRAEDTGIIYYCTT SEQ. ID NO: 172	WGQGTITVTVSS SEQ. ID NO: 161
Group IIID	EVQLVESGGGLVQPGGSLKLSCAASGFYFS SEQ. ID NO: 173	WVRQTPGKLEWVA SEQ. ID NO: 174	RFTISRDAQKQTLYLQMSLSRSEDTAMYYCAR SEQ. ID NO: 175	WGQGTITVTVSS SEQ. ID NO: 150
Group VA	EVQLQQSGAEVLVRAGGSVKMSCKASGYTFT SEQ. ID NO: 176	WVKQRPQGQGLEWIG SEQ. ID NO: 177	KYYLTVDKSSSTAYMQLRSLTSEDSAVYFCAR SEQ. ID NO: 178	WGQGTITVTVSS SEQ. ID NO: 179
Misc.	SEVQLVESGGGLVQPGGSVKLSCKASGFYFS SEQ. ID NO: 180	WVRQAPGKGLEWVG SEQ. ID NO: 181	RFTISRDNKSTLYLQMSSLSRSEDTATYYCAR SEQ. ID NO: 182	WGQGTITVTVSS SEQ. ID NO: 146

FIG. 1B